**PAKISTAN PRIMARY SCHOOL**

**GRADE: 04**

**MATHEMATICS**

**Chapter - 1: Numbers**

**TOPIC:  Read Numbers on Number line**

**Number Line**

**Writing numbers down on a Number Line makes it easy to tell  
which numbers are greater or lesser**

|  |  |
| --- | --- |
|  | |
|  | |
| Negative Numbers (−) | Positive Numbers (+) |
| *(The line continues left and right forever.)* | |

A number on the **left is less** than a number on the right.

Examples:

* **5** is less than **8**
* **−1** is less than **1**
* **−8** is less than **−5**

A number on the **right is greater** than a number on the left.

Examples:

* **8** is greater than **5**
* **1** is greater than **−1**
* **−5** is greater than **−8**

Example: Lunch

* John borrowed $3 to pay for his lunch
* Virginia borrowed $5 to pay for her lunch
* Alex had enough money for lunch and has $3 left over

Place these people on the number line to find who is poorest and who is richest.

**Owing money** is **negative**  
**Having money** is **positive**

So John has "−3", Virginia has "−5" and Alex has "+3"

Now it is easy to see that:

Virginia is poorer than John (−5 is less than −3)  
and John is poorer than Alex (−3 is less than 3)  
and Alex is, of course, the richest!

**Using The Number Line**

We can use the number line to help us add. We always move to the right to add.

We can use the number line to help us subtract. We always move to the left to subtract.

Footnote: Absolute Value

[Absolute Value](https://www.mathsisfun.com/numbers/absolute-value.html) means to think only about **how far** a number is from zero.

For example "6" is 6 away from zero, but "−6" is **also** 6 away from zero.

So the absolute value of 6 is 6, and the absolute value of −6 is also 6